

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 14, 2005

Inspector: Don Ukers

Location: 115 kV Underground Route

Storm/

Rain Event: The area received between 1.18 and 2.84" on 7/8 based on reports from different locations and posted by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction Bethel Educational Park, Bethel	<ul style="list-style-type: none"> - Trenching and ductwork/ installation continues in the Bethel Educational Park under the existing ROW and concrete is being poured. Portions of active work are located coming into and leaving the school grounds. 7/6-7/14/05 - A caisson is being drilled within the ROW near the RT Johnson School. 7/14/05 - Areas remain cordoned off with safety fence and caution tape. 7/14/05 	- Some erosion controls in this area require some attention although most repairs were made. See erosion control, dewatering and storage sections for more specific information. 7/14/05
Gallows Hill Road and Rt. 107 Lonetown Rd, Redding	- Ductwork/installation is ongoing on Gallows Hill Road with concrete being poured in the trench. 7/14/05	- Activities seem contained on the roadway for the most part but a few areas require some attention and repair. See erosion control, and storage sections for more specific information. 7/14/05
Rt. 107 Putnam Park Road portion Redding and Rt. 58, Bethel	<ul style="list-style-type: none"> - Active work was not observed on Rt. 107 or Rt. 58 due to a tractor trailer accident on Rt. 7. Most work on state highways was suspended. 7/14/05 - Some erosion control repairs are needed in these areas before active work reaches them. 7/14/05 	- Activities are fairly well contained to the roadway. See the erosion control section for more information near the previous vault installation. 7/14/05

Areas of Inspection	Observation	Recommended Action
Broad Street and Rt. 7 , Norwalk	<p>-The ductwork/installation has continued within Broad Street to the Rt. 7 overpass. Two vaults were installed in this general area. 7/14/05</p> <p>- Work along Rt. 7 has been suspended due to a tractor trailer accident earlier in the week. 7/14/05</p>	<p>-Activities are fairly well contained to the roadway however a few repairs should be made. See the erosion control section for more information. 7/14/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Bethel Educational Park</p>	<p>- For the most part, silt fence has been well installed in all locations where the work is located adjacent to wetlands. 7/14/05</p> <p>- Stockpiles are not currently present for the most part. All excavated roadway material is currently being trucked off site for disposal or stored temporarily. 6/22-7/14/05</p>	<p>- Several areas still require maintenance or additional controls as soon as possible. Continue to be proactive in maintenance as necessary. See below for site-specific issues. 7/14/05</p>
	<p>- Ductwork and caisson drilling is occurring near the RT Johnson School under the ROW. Silt fence is in place along the edge but the excavate is piled against it and has caused some strain. 7/14/05</p>	<p>- Keep the controls in good repair and pull back boulders or soil which may strain the fence. 7/14/05</p>
	<p>- Ductwork continues in the ROW near the Bethel Middle School. Silt fence was repaired here and should remain maintained due to the steep grade below. 7/14/05</p> <p>- The area cleared for the transition structure here could use additional silt fence (check dams) to prevent erosion down the grade. 7/6-7/14/05</p>	<p>- Continue to maintain and toe in silt fence when necessary to prevent any sedimentation outside of the ROW. 7/14/05</p> <p>- Install a check dam of silt fence across the top of grade on the larger cleared area to prevent erosion when the active work approaches. 7/14/05</p>
	<p>- The pull-off leading to the transition station is fully cleared and a gravel access road has been built. Silt fence was being installed and toed-in along the entire access at this time. 7/14/05</p>	<p>- Maintain silt fence when necessary and avoid piling brush or chips into the adjacent wetland areas. 7/14/05</p>
Hoyts Hill Transition (Off Rt. 58)		

Areas of Inspection	Observation	Recommended Action
Hoyts Hill Road (Off Rt. 58) continued	<ul style="list-style-type: none"> - It was not confirmed whether the mulch/wood chips pile was removed. If it was not removed yet, it should be. 7/14/05 - Excavation was occurring in the ROW off Hoyts Hill but this work is not part of the current 115kV. 7/6/05 	<ul style="list-style-type: none"> - Now that the area is confirmed as wetland, the mulch/chip pile should be removed by hand. 7/14/05 - Silt fence is in place but work is right up to the wetlands. 7/6/05
Route 58	<ul style="list-style-type: none"> - The vault installation from last week along this roadway could use some additional silt fence as it is at the base of a steep grade cut. 7/6-7/14/05 	<ul style="list-style-type: none"> - Silt fence placed on the grade above the vault as a check dam should help prevent erosion of the slope and sedimentation to the vault. This area should be restored and stabilized. 7/6-7/14/05
Rt. 58 and Rt. 107 Putnam Park Road portion, Redding	<ul style="list-style-type: none"> - The silt fence in disrepair at the intersection of Rt. 58 and Rt. 107 belongs to the work at Putnam Park. The trench has not come through this area yet. 7/6-7/14/05. - An area of silt fence just before Putnam Park needs to be toed in properly. 7/14/05 	<ul style="list-style-type: none"> - None at this time. 7/6-7/14/05 -Silt fence should be maintained and toe in as necessary. 7/14/05

Areas of Inspection	Observation	Recommended Action
Gallows Hill Road and Rt. 107 (Lonetown Rd)	<ul style="list-style-type: none"> - One area of fence near #116 Gallows Hill has been pushed over and sediment has overtopped. Some sediment was noted in the wetland beyond due to run off from the roadway. 7/6-7/14/05 - Silt fence repair is also needed at the inlet near #58 and #72 Gallows Hill. 7/14/05 - The original pull-off area has some sedimentation that occurred along the roadway shoulder. 7/6-7/14/05 - The area along Rt. 107 near the Redding Country Club pond still requires repair of the silt fence. It has come “untoed” and ripped down. 6/15-7/14/05 	<ul style="list-style-type: none"> - Active work is not located in the vicinity but a vault was installed here and the pull off with stone piles remains. The soil is not fully stabilized. The sediment beyond the fence is minor and would be more damaging to remove, but the fence should be repaired ASAP. 7/6-7/14/05. - Gallows Hill repairs are supposed to be made by the end of the week. 7/14/05 - A check dam should be installed from the original silt fence to the edge of the road to prevent the sediment from entering a swale here. 7/6-7/14/05 -Active work is coming this way and silt fence should be repaired/toed prior to trench work in both of these areas. 7/14/05
Gallows Hill and Lonetown Rd. continued	<ul style="list-style-type: none"> - Another section of silt fence at the intersection of Rt. 107 and Gallows Hill should also be toed in where stormwater has flowed through. 7/6-7/14/05 - Silt fence repairs/toeing-in are also needed near #81 Lonetown Rd. 7/14/05 	<ul style="list-style-type: none"> -Active work is coming this way and silt fence should be repaired/toed prior to trench work in both of these areas. 7/14/05 - Maintain and toe-in silt fence as necessary as active work approaches. 7/14/05
Broad Street and Rt. 7, Norwalk	<ul style="list-style-type: none"> -Silt fence is in good shape in most locations with the exception of two spots along the ROW that need to be toed-in. 7/14/05 - A pile of left over materials and debris were left against the silt fence. - In general, several locations along Rt. 7 are being trenched at this time but almost all adjacent areas are of commercial development. 6/22-7/14/05 	<ul style="list-style-type: none"> - Maintain and toe-in silt fence as necessary until the ROW stabilizes. 7/14/05 - Perform regular “good housekeeping” to remove leftover materials and clean up the workspace. 7/14/05 - None at this time. 7/14/05

Areas of Inspection	Observation	Recommended Action
Contaminated Soils	<ul style="list-style-type: none"> - Contaminated soil is being stored and labeled separately from that considered “background polluted”. Contaminated soils are eventually brought off site to an O&G facility in Bridgeport. Water from contaminated soils are sent to a tank truck. - Occasionally, soils are being stored temporarily at Redding Yard until they are trucked to Bridgeport or the landfill. 7/14/05 	<ul style="list-style-type: none"> - All soils appear to be handled appropriately. 7/14/05 - It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered clean, (based on acceptable RSR levels), as daily cover. 7/14/05
Adjacent Wetlands and Waterways	<ul style="list-style-type: none"> -With the exception of the small amount of sediment which overtopped the silt fence on Gallows Hill, no sedimentation or turbidity have been noted in the wetland resource areas adjacent to the roadway. 7/6-7/14/05 - The mulch and chips noted in the wetlands near the Hoyts Hill transition structure location should be removed by hand if not already done so. 7/6-7/14/05 	<ul style="list-style-type: none"> -The amount of sediment is very minor and would be more disruptive to remove at this point. The fence here should be repaired ASAP. 7/6-7/14/05 - Mulch and wood chips or fill of any kind should not be placed in wetland areas. 7/14/05
Staging, Storage, and Parking Areas	<ul style="list-style-type: none"> - The original pull-off on the side of Gallows Hill Rd still has silt fence is well in place but sediment has washed to the shoulder of the roadway where the fence does not cover. 7/6-7/14/05 - A second Gallows Hill pull-off near the completed vault #15 installation has some stone and loose soil stored here. 6/22-7/14/05 -Equipment and materials were not noted in the woods during this inspection. 7/14/05 - In Redding Town Yard, soil excavate is only temporarily stored here until it can be trucked for disposal in the O&G facility in 	<ul style="list-style-type: none"> - A check dam of fence or haybales should be extended to the roadway here. 7/6-7/14/05 - The area should be cleaned up when feasible, especially since sediment overtopped the adjacent roadway silt fence here. 7/6-7/14/05 - Equipment and materials should not be stored in wooded areas unless it is designated for storage. 7/14/05 - There are no current issues but if the piles progress beyond the bins, haybales should be placed

Areas of Inspection	Observation	Recommended Action
	<p>Bridgeport or the Redding landfill. Soil considered “background polluted” is kept separately from that considered contaminated. The soil piles here are not very large at this time. 6/22-7/14/05</p> <p>- Concrete washouts are also taking place within the yard in a specified location. 6/22-7/14/05</p> <p>- An equipment storage area for the Putnam Park area materials is located at a pull-off on Route 58 just north of the Rt. 107 intersection. 7/14/05</p> <p>- A storage area for materials, conduit and equipment is in use at the Bethel Educational Park near the RTJ School. 7/6-7/14/05</p>	<p>downgradient of the pile unless this is in the way of active equipment movement. 7/6/05</p> <p>- The washout area continues to be well contained. It should be emptied regularly to prevent escape of the wash water. 7/14/05</p> <p>- None at this time 7/14/05</p> <p>- None at this time- well contained. 7/14/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-No significant clearing has been necessary along the roadways at this time with the exception of some minor ground cover disturbance and some trimming and the larger trees mentioned last week. 7/14/05</p> <p>- Some of the completed vault areas (i.e. #5 and #12) could use additional temporary stabilization as cuts were made in the adjacent grades. 7/6-7/14/05</p> <p>-Clearing in the ROW has taken place within the Bethel Educational Park for completing the trenchwork 7/6-7/14/05.</p>	<p>- When ground cover removal is necessary along the sides of the roadway, the areas will be restored and reseeded following the work. 7/14/05</p> <p>- The trees will be replaced with 10-12 smaller diameter trees following the work. 7/6-7/14/05</p> <p>- Any bank cuts should be temporarily restored and mulched until the trench crews arrive in the area. Impacts to tree roots should be avoided when possible. 7/14/05</p> <p>- Areas here should be revegetated appropriately when work is completed 7/14/05.</p>

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	- Clearing has also been completed along the entire access for the Hoyts Hill transition station location. 7/14/05	
Dewatering	<p>- Almost all dewatering discharge along the route is being directed to the tank trucks due to concerns about the polluted soils. 7/14/05</p> <p>- Active dewatering was not observed much during this inspection due to the lack of work on the state routes. 7/14/05</p>	- It is still to be determined if problem levels are present in water from polluted soils in some areas and whether the water can be released to an approved dewatering corral. It would be best to allow the water to recharge to the wetlands here if "pollution" levels are not above the approved limits. 6/15-7/14/05 NU was looking into testing the water to make this determination. 6/22-7/14/05
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	-Leaks were not noted from the machinery during this inspection. A report of any leaks or spills that reach the ground and occur during the week will be provided to BSC from internal project inspectors 6/15-7/14/05	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday, July 21, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those

individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers



115 kV (Broad Street-Norwalk): A pile of debris and material near the silt fence that protects the area leading to the Norwalk River. (7/14/05)



115 kV (Gallows Hill Road, Redding): Pull-off area in the vicinity of #116 Gallows Hill Road with loose stone and soil remaining. (7/14/05)



Floating concrete into the trench in the area of #80 Gallows Hill Road. (7/14/05)
Gallows Hill. Silt fence or haybales should be extended to the road. 7/6/05



115 kV (Route 107, Redding)- Areas of silt fence
along Rt. 107 require maintenance in the vicinity of the Redding
Park. 7/14/05 Country Club. 7/14/05



View of trenching and silt fence
north of Putnam



115kV (Hoyts Hill Road Transition): Silt fence along perimeter of clearing looking towards the location for the new transition structure. (7/14/05)



Silt fence along perimeter of clearing on the access into the structure location. (7/14/05)



115kV (Bethel Educational Park): View of the ductwork installation near the RT Johnson School. The caisson drilling is occurring in the background. 7/14/05



View of the floating in concrete in the trench ROW near the Bethel Middle School. alternate direction. 7/14/05



View of the trenchwork within the ROW within the Near the Middle School from an 7/14/05.